

AUTOMATED DATA WAREHOUSE FOR DEMAND FULFILLMENT SYSTEM

Melissa Beebe
Heather Fenner

ABSTRACT OF THE DISCLOSURE

5 An automated data warehouse for a demand fulfillment system to provide current supply and demand for generating a work schedule and a material delivery schedule for manufacturing items built to customer order. The automated data warehouse includes outstanding customer orders for items as an accurate measure of current demand, and a current state of an available inventory of material for producing the items as an accurate measure of current supply. The automated data warehouse includes a continuously updated location of a quantity of material from the time the material is accepted into available inventory, during movements from one material source to another, throughout work-in-progress, until the time that the material is consumed. A work schedule and a material delivery schedule are generated periodically to keep up with consumption of materials and fulfillment of customer orders using the automated data warehouse as the source of current supply and demand.